



# Vibration Measurement & Condition Reporting

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Filtration at its Finest

Dust Management

Ventilation Systems

Flexible Connectors

Liquid Filtration

Fans

Specification Sheet

# Vibration Measurement and Condition Reporting

Using our state of the art Vibrator Analyser and our qualified ISO 1 & 4 36-2 Category 1 analyst, we can provide you with a regular scheduled Vibration Measurement and Condition Reporting program.

## Benefits of Early Vibration Testing

- Predictability.** Give maintenance staff time to schedule required repairs and acquire needed parts.
- Safety.** Take faulty equipment offline before a hazardous condition occurs.
- Revenue.** Incur fewer unexpected and serious failures, helping to prevent production stoppages that cut into the bottom line.
- Increased maintenance intervals.** Extend life of equipment and schedule maintenance by need.
- Reliability.** Incur fewer unexpected or catastrophic failures because problem areas can be anticipated before failure.
- Peace of mind.** Build confidence in maintenance schedules, budgeting, and productivity estimates.

## ISO Standards Used

- 14695:2003
- 14694:2003
- 10816-1
- 10816-3



## Vibration Severity Chart

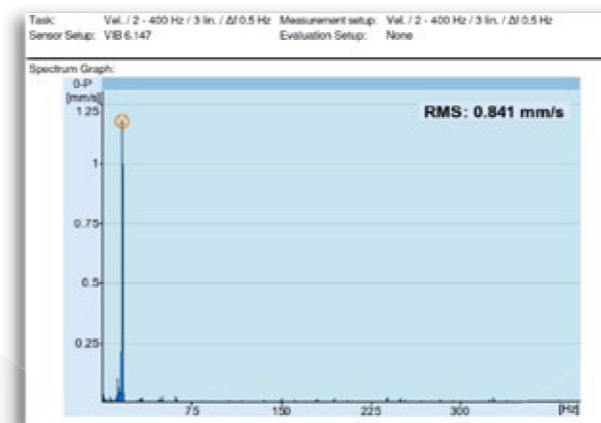
by T. Muklev				mm/s rms	Velocity 10-1000 Hz, 1-600 rpm 2-1000 Hz, 1-120 rpm
				11	
				7.1	
				4.5	
				3.5	
				2.8	
				2.3	
				1.4	
				0.7	
rigid	flexible	rigid	flexible	Foundation	
pump >15 kW radial, axial, mixed flow				Machine	
integrated driver		external driver		Type	
Group 4		Group 3		Group	
medium sized machines 15 kW < P < 300 kW		large machines 300 kW < P < 50 MW		Machine	
motors		motors		Type	
160 mm < H < 315 mm		315 mm < H		Group	
Group 2		Group 1			

## Vibration Measurement & Condition Reporting BY FILTERCORP

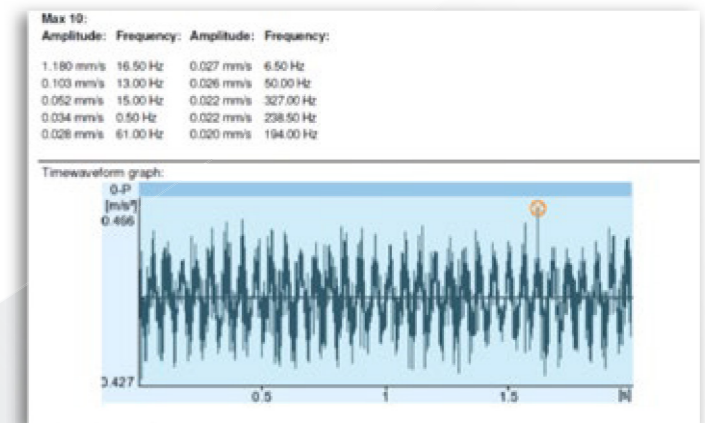
- Results compared to the ISO standards used and your last tests
- Reports overall velocity (mm/s)
- Reports overall acceleration (m/s<sup>2</sup>)



## Spectrum Analysis Graph



## Time Wave Form Graph



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